

mixing PAM with water to form a mixture for application to the land area;

applying the mixture to a top surface of soil of the land area; and terminating the application of the mixture when PAM reaches sufficient depth penetration below a top surface of the soil.

39D ~~39~~ 40. The method of claim 39 additionally comprising the step of establishing a uniform mixture ratio for a mixture of PAM and water to be applied to a land area, and wherein the mixture formed by the mixing step has a ratio of PAM and water corresponding to the uniform mixture ratio.

39B ~~39~~ 41. The method of claim 40 additionally comprising the step of calculating a total application rate for applying the mixture to the land area, and additionally comprising the step of determining a number of times that the mixture of the uniform mixture ratio needs to be applied to the land area to achieve the calculated total application rate of the PAM.

39A ~~39~~ 42. The method of claim 39 additionally comprising the step of calculating a total application rate for applying the mixture to the land area, and wherein the applying step comprises making a series of applications of the mixture to the surface for a number of times until the application rate for the soil of the land area is achieved.

~~43. The method of claim 39 wherein the applying step includes continuing to apply the mixture to the surface of the soil until the soil of the land area becomes saturated and stopping the application of the mixture top surface becomes saturated.~~